

|   | L # | Hits | Search Text  | DBs   | Time Stamp           |
|---|-----|------|--|---|----------------------|
| 1 | L1  | 26   | (("6335112") or<br>("6224994") or<br>("6355370") or<br>("6242123") or<br>("20030166824") or<br>("20030047461") or<br>("20030087972") or<br>("20020160272") or<br>("20020001744") or<br>("6607856") or<br>("6015856") or<br>("5958988")) .PN. | USPA<br>T;<br>US-P<br>GPUB<br>;<br>EPO;<br>JPO;<br>DERW<br>ENT;<br>IBM<br>TDB | 2003/12/0<br>3 13:47 |

L2 (20020071981).PN,

— all products

Day : Wednesday

Date: 12/3/2003

Time: 13:30:27

PALM INTRANET

## Inventor Name Search Result

Your Search was:

Last Name = MORIMOTO

First Name = YU

| Application#             | Patent#    | Status                 | Date Filed            | Title   | Inventor Name 51   |
|--------------------------|------------|------------------------|-----------------------|---|--------------------|
| <del>10601563</del>      | Not Issued | 020                    | 06/24/2003            | LIGHT HEATING APPARATUS AND METHOD THEREFOR   | MORIMOTO, YUKIHIRO |
| 10379812                 | Not Issued | 030                    | 03/06/2003            | MEMBRANE ELECTRODE ASSEMBLY, FUEL CELL, ELECTROLYTIC CELL, AND SOLID ELECTROLYTE                  | MORIMOTO, YU       |
| <del>10288441</del>      | Not Issued | 030                    | 11/06/2002            | GLASS-BREAK PREVENTING FILM LIKE FILTER AND PLASMA DISPLAY APPARATUS                              | MORIMOTO, YUICHI   |
| <del>10274986</del>      | Not Issued | 030                    | 10/22/2002            | TRANSPARENT PRESSURE-SENSITIVE ADHESIVE COMPOSITION AND PRESSURE-SENSITIVE ADHESIVE SHEET THEREOF | MORIMOTO, YUICHI   |
| 10242409<br>20030047461. | Not Issued | 030<br>1745<br>429/42  | 09/13/2002            | FUEL-CELL ELECTRODE AND METHOD OF MANUFACTURING THE FUEL-CELL ELECTRODE                           | MORIMOTO, YU       |
| <del>10237734</del>      | Not Issued | 041                    | 09/10/2002            | DISCHARGE LAMP  | MORIMOTO, YUKIHIRO |
| 10204481<br>2003 0057972 | Not Issued | 041<br>1713<br>921/47  | 08/21/2002<br>not IFW | POLYMER ELECTROLYTE MEMBRANE AND METHOD OF PRODUCTION THEREOF                                     | MORIMOTO, YU       |
| <del>10145119</del>      | Not Issued | 071                    | 05/15/2002            | GLASS CRACK PREVENTION FILM-LIKE LAYER AND PLASMA DISPLAY DEVICE                                  | MORIMOTO, YUICHI   |
| 10079873<br>20020160272  | Not Issued | 030<br>1745<br>429/314 | 02/22/2002            | PROCESS FOR PRODUCING A MODIFIED ELECTROLYTE AND THE MODIFIED ELECTROLYTE                         | MORIMOTO, YU       |
| 09858979<br>20020001744  | Not Issued | 094                    | 05/17/2001            | MEMBRANE ELECTRODE ASSEMBLY, AND SOLID  | MORIMOTO, YU       |

del. meth

w/TT.  
all prodIFW  
prod del.Allowed  
all prod.

|                              |            |                    |            |   |                     |
|------------------------------|------------|--------------------|------------|---|---------------------|
|                              |            |                    |            | POLYMER FUEL CELL USING THE ASSEMBLY  |                     |
| <del>09793076</del>          | Not Issued | 161                | 02/27/2001 | RE-PEELABLE PRESSURE-SENSITIVE ADHESIVE, PRESSURE-SENSITIVE ADHESIVE TAPE OR SHEET, AND FASTENING SYSTEM EMPLOYING THESE            | MORIMOTO, YUICHI    |
| <i>This case</i><br>09784057 | Not Issued | 071                | 02/16/2001 | GRAFTED POLYMER ELECTROLYTE MEMBRANE, METHOD OF PRODUCING A GRAFTED POLYMER ELECTROLYTE MEMBRANE, AND FUEL CELL COMPRISING THE SAME | MORIMOTO, YU        |
| <i>with</i><br>09725267      | 6607856    | 150                | 11/29/2000 | SOLID POLYMER ELECTROLYTE HAVING HIGH-DURABILITY  | MORIMOTO, YU        |
| 09670014                     | Not Issued | 161<br><i>abel</i> | 09/26/2000 | FUEL-CELL ELECTRODE AND METHOD OF MANUFACTURING THE FUEL-CELL ELECTRODE   | MORIMOTO, YU        |
| <del>09635261</del>          | Not Issued | 071                | 08/09/2000 | A METHOD AND SYSTEM FOR INFORMATION RETRIEVAL BASED ON PARTS OF SPEECH CONDITIONS   | MORIMOTO, YUKIKO    |
| <del>09584769</del>          | Not Issued | 071                | 06/01/2000 | SCROLL THRUST BEARING   | MORIMOTO, YUTAKA    |
| <del>09553159</del>          | Not Issued | 161                | 04/20/2000 | HIGH-PRECISION QUANTITATIVE DETERMINATION OF TRACE AMOUNTS OF ELEMENTS IN METAL, AND APPARATUS THEREFOR                             | MORIMOTO, YUKITOSHI |
| <del>09492835</del>          | 6373192    | 150                | 01/27/2000 | DIELECTRIC BARRIER DISCHARGE LAMP AND IRRADIATION DEVICE  | MORIMOTO, YUKIHIRO  |
| <del>09453445</del>          | 6462471    | 150                | 12/03/1999 | HIGH PRESSURE MERCURY LAMP PROVIDED WITH A SEALING BODY MADE OF A FUNCTIONAL GRADIENT MATERIAL                                      | MORIMOTO, YUKIHIRO  |
| <del>09308644</del>          | 6175188    | 150                | 05/28/1999 | SEALING BODY FOR A DISCHARGE LAMP   | MORIMOTO, YUKIHIRO  |
| <del>08946096</del>          | 5905341    | 150                | 10/07/1997 | HIGH PRESSURE MERCURY   | MORIMOTO,           |

|                 |                |     |            |   |                  |
|-----------------|----------------|-----|------------|---|------------------|
|                 |                |     |            | ULTRAVIOLET LAMP  | YUKIHIRO         |
| <u>08448937</u> | <u>5677164</u> | 150 | 05/24/1995 | HEPATOCYTE GROWTH FACTOR ACTIVATING PROTEASE AND GENE ENCODING THE PROTEASE   | MORIMOTO, YUUKI  |
| <u>08434050</u> | Not Issued     | 166 | 05/03/1995 | RE-PEELABLE PRESSURE-SENSITIVE ADHESIVE, PRESSURE-SENSITIVE ADHESIVE TAPE OR SHEET, AND FASTENING SYSTEM EMPLOYING THESE  | MORIMOTO, YUUCHI |
| <u>08232353</u> | Not Issued     | 161 | 04/22/1994 | PROCESS FOR PREPARING AMIDES  | MORIMOTO, YUUKI  |
| <u>08231667</u> | <u>5743323</u> | 150 | 04/25/1994 | APPARATUS FOR CONTINUOUS CASTING  | MORIMOTO, YUKIO  |
| <u>08226370</u> | <u>5458183</u> | 250 | 04/12/1994 | HORIZONTAL CONTINUOUS CASTING METHOD AND APPARATUS  | MORIMOTO, YUKIO  |
| <u>08195610</u> | <u>5396593</u> | 150 | 02/14/1994 | DATA PROCESSING APPARATUS   | MORIMOTO, YUTAKA |
| <u>08148910</u> | <u>5466593</u> | 150 | 11/05/1993 | HEPATOCYTE GROWTH FACTOR ACTIVATING PROTEASE AND GENE ENCODING THE PROTEASE   | MORIMOTO, YUUKI  |
| <u>08136921</u> | Not Issued     | 161 | 10/18/1993 | NOVEL PROTEIN HAVING NITRILE HYDRATASE ACTIVITY AND THE GENE ENCODING THE SAME, AND A METHOD FOR PRODUCING AMIDES FROM NITRILES VIA A TRANSFORMANT CONTAINING THE GENE                  | MORIMOTO, YUUKI  |
| <u>08052681</u> | <u>5314819</u> | 250 | 04/27/1993 | NOVEL PROTEIN HAVING NITRILE HYDRATASE ACTIVITY OBTAINED FROM RHIZOBIUM, GENE ENCODING THE SAME, AND A METHOD FOR PRODUCING AMIDES FROM NITRILES VIA A TRANSFORMANT CONTAINING THE GENE | MORIMOTO, YUUKI  |
| <u>07959804</u> | <u>5284909</u> | 150 | 10/13/1992 | AMPHOTERIC POLYELECTROLYTE, METHOD FOR PRODUCTION THEREOF, AND ORGANIC SLUDGE DEHYDRATER  | MORIMOTO, YUTAKA |

|          |            |     |            |  |                    |
|----------|------------|-----|------------|--|--------------------|
| 07924754 | Not Issued | 166 | 08/04/1992 | PROCESS FOR PREPARING AMIDES   | MORIMOTO, YUUKI    |
| 07920877 | 5321907    | 250 | 07/28/1992 | METHOD AND APPARATUS FOR STORING HORTICULTURAL PLANTS  | MORIMOTO, YUKIHITO |
| 07885319 | 5302326    | 150 | 05/18/1992 | MANUFACTURING METHOD OF URETHANE FOAM MOLDED PRODUCTS  | MORIMOTO, YUKIO    |
| 07643236 | 5149428    | 150 | 01/18/1991 | WATER FILTER WITH EXTENDED OPERATIONAL PERIOD  | MORIMOTO, YUKICHI  |
| 07643235 | Not Issued | 164 | 01/18/1991 | WATER FILTER WITH EXTENDED OPERATIONAL PERIOD  | MORIMOTO, YUKICHI  |
| 07610863 | Not Issued | 166 | 11/08/1990 | DATA PROCESSING APPARATUS  | MORIMOTO, YUTAKA   |
| 07489672 | 5066813    | 150 | 03/07/1990 | METHOD FOR PRODUCTION OF 1,3-THIAZOLIDIN-2-ONES  | MORIMOTO, YUTAKA   |
| 07342798 | 4916233    | 150 | 04/25/1989 | METHOD FOR PRODUCTION OF 4-METHYL-5-(2-AMINOETHYL)-THIOMETHYL)-IMIDAZOLE                         | MORIMOTO, YUTAKA   |
| 07332605 | Not Issued | 166 | 04/03/1989 | RESIN COMPOSITION FOR ELECTRIC INSULATION MATERIALS FOR VEHICLES                                 | MORIMOTO, YUKI     |
| 07288470 | 5116739    | 150 | 12/22/1988 | PROCESS FOR THE PRODUCTION OF HUMAN APOLIPOPROTEIN E, AND TRANSFORMED HOSTS AND PRODUCTS THEREOF | MORIMOTO, YUUKI    |
| 07275106 | 4966980    | 150 | 11/07/1988 | PROCESS FOR PRODUCING AZIRIDINES   | MORIMOTO, YUTAKA   |
| 07131629 | Not Issued | 161 | 12/10/1987 | RESIN COMPOSITION FOR ELECTRIC INSULATION MATERIALS FOR VEHICLES                                 | MORIMOTO, YUKI     |
| 07074315 | Not Issued | 169 | 07/16/1987 | PORTABLE LANTERN   | MORIMOTO, YUJI     |
| 07018481 | Not Issued | 161 | 02/25/1987 | DEFORMABLE PRINTED CIRCUIT BOARD AND INSTALLATION METHOD THEREOF                                 | MORIMOTO, YUKIHIKO |
| 06946960 | 4826654    | 150 | 12/29/1986 | FUEL ASSEMBLY  | MORIMOTO, YUICHI   |
| 06862901 | 4789954    | 150 | 05/13/1986 | METHOD FOR GENERATING QUADRATIC CURVE SIGNAL   | MORIMOTO, YUTAKA   |

|                     |               |     |            |  |                                  |
|---------------------|---------------|-----|------------|--|----------------------------------|
| <del>06754050</del> | Not<br>Issued | 161 | 07/11/1985 | DNA FRAGMENTS,<br>EXPRESSION VECTORS,<br>PROTEINS, HOSTS, AND<br>PROCESS FOR PRODUCTION<br>OF THE PROTEINS           | <del>MORIMOTO ,<br/>YUUKI</del>  |
| <del>06678247</del> | 4696760       | 150 | 12/05/1984 | METHOD FOR PRODUCTION<br>OF AQUEOUS DISPERSION<br>OF N-SUBSTITUTED N'- N-<br>ALKYLENE UREA                           | <del>MORIMOTO ,<br/>YUTAKA</del> |
| <del>06640824</del> | Not<br>Issued | 161 | 08/15/1984 | HYDROGEN AND OXYGEN<br>GENERATOR USING SOLAR<br>BATTERY AND GAS<br>PRODUCING VEHICLE<br>HAVING THE SAME<br>GENERATOR | <del>MORIMOTO , YUJI</del>       |
| <del>06267242</del> | 4397946       | 250 | 05/26/1981 | PROCESS FOR PREPARING<br>ANDROSTANE STEROIDS   | <del>MORIMOTO , YUKI</del>       |

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|---------------------------------|---------------------------------------|---------------------------------|---------------------------------------|
| <b>Search Another: Inventor</b> | <b>Last Name</b>                      | <b>First Name</b>               | <input type="button" value="Search"/> |
|                                 | <input type="text" value="morimoto"/> | <input type="text" value="yu"/> |                                       |

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Day : Wednesday

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Date: 12/3/2003

Time: 13:28:52

## Inventor Name Search Result

Your Search was:

Last Name = TANIGUCHI

First Name = TAKUMI

| Application#  | Patent#    | Status | Date Filed        | Title   | Inventor Name 7   |
|---|------------|--------|-------------------|---|-------------------|
| 10341500<br>2003016824                              | Not Issued | 030    | 01/14/2003        | POLYMER ELECTROLYTE COMPOSITION AND USES THEREOF  | TANIGUCHI, TAKUMI |
| 10204481  | Not Issued | 041    | 08/21/2002        | POLYMER ELECTROLYTE MEMBRANE AND METHOD OF PRODUCTION THEREOF   | TANIGUCHI, TAKUMI |
| 10011981<br>80026071981                             | Not Issued | 041    | 12/11/2001<br>IFW | FUEL CELL   | TANIGUCHI, TAKUMI |
| 09784057<br>this case                               | Not Issued | 071    | 02/16/2001        | GRAFTED POLYMER ELECTROLYTE MEMBRANE, METHOD OF PRODUCING A GRAFTED POLYMER ELECTROLYTE MEMBRANE, AND FUEL CELL COMPRISING THE SAME | TANIGUCHI, TAKUMI |
| 09725267  | 6607856    | 150    | 11/29/2000        | SOLID POLYMER ELECTROLYTE HAVING HIGH-DURABILITY  | TANIGUCHI, TAKUMI |
| 08746347<br>Meth Form comp                          | 6015856    | 150    | 11/08/1996        | COMPOSITE RESIN MATERIAL AND METHOD OF FORMING THE SAME   | TANIGUCHI, TAKUMI |
| 08744483<br>Meths - Pink Poly U powder<br>different | 5958988    | 150    | 11/06/1996        | CROSS-LINKED POLYURETHANE RESIN POWDER AND PROCESS FOR PRODUCING THE SAME   | TANIGUCHI, TAKUMI |

Inventor Search Completed: No Records to Display.

|                          |  |                                     |        |
|--------------------------|--|-------------------------------------|--------|
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|                          | <input type="text" value="taniguchi"/> | <input type="text" value="takumi"/> |        |

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Date: 12/3/2003

Time: 13:26:42

## PALM INTRANET

## Inventor Name Search Result

Your Search was:

Last Name = ASUKABE

First Name = MICHIO

| Application# | Patent#    | Status | Date Filed | Title   | Inventor Name 5 |
|--------------|------------|--------|------------|---|-----------------|
| 09784057     | Not Issued | 071    | 02/16/2001 | GRAFTED POLYMER ELECTROLYTE MEMBRANE, METHOD OF PRODUCING A GRAFTED POLYMER ELECTROLYTE MEMBRANE, AND FUEL CELL COMPRISING THE SAME | ASUKABE, MICHIO |
| 09409337     | 6335112    | 150    | 09/30/1999 | SOLID POLYMER ELECTROLYTE FUEL CELL   | ASUKABE, MICHIO |
| 09232904     | 6224994    | 150    | 01/19/1999 | SOLID POLYELECTROLYTE-TYPE FUEL CELL  | ASUKABE, MICHIO |
| 09200735     | 6355370    | 150    | 11/27/1998 | SOLID POLYELECTROLYTE-TYPE FUEL CELL HAVING A SOLID POLYELECTROLYTE MEMBRANE WITH VARYING WATER CONTENT                             | ASUKABE, MICHIO |
| 09163009     | 6242123    | 150    | 09/30/1998 | SOLID POLYELECTROLYTE MEMBRANE FOR FUEL CELLS, AND METHOD FOR PRODUCING IT  | ASUKABE, MICHIO |

Inventor Search Completed: No Records to Display.

|                          |           |            |        |
|--------------------------|-----------|------------|--------|
| Search Another: Inventor | Last Name | First Name | Search |
|                          | asukabe   | michio     |        |

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Day : Wednesday

Date: 12/3/2003

Time: 13:27:17

PALM INTRANET

**Inventor Name Search Result**

Your Search was:

Last Name = KATO

First Name = MICHIAKI

| Application#                   | Patent#    | Status | Date Filed | Title   | Inventor Name 4 |
|--------------------------------|------------|--------|------------|---|-----------------|
| <u>09784057</u><br><i>this</i> | Not Issued | 071    | 02/16/2001 | GRAFTED POLYMER ELECTROLYTE MEMBRANE, METHOD OF PRODUCING A GRAFTED POLYMER ELECTROLYTE MEMBRANE, AND FUEL CELL COMPRISING THE SAME | KATO, MICHIAKI  |
| <u>09232904</u>                | 6224994    | 150    | 01/19/1999 | SOLID POLYELECTROLYTE-TYPE FUEL CELL  | KATOH, MICHIAKI |
| <u>09200735</u>                | 6355370    | 150    | 11/27/1998 | SOLID POLYELECTROLYTE-TYPE FUEL CELL HAVING A SOLID POLYELECTROLYTE MEMBRANE WITH VARYING WATER CONTENT                             | KATOH, MICHIAKI |
| <u>09163009</u>                | 6242123    | 150    | 09/30/1998 | SOLID POLYELECTROLYTE MEMBRANE FOR FUEL CELLS, AND METHOD FOR PRODUCING IT  | KATO, MICHIAKI  |

Inventor Search Completed: No Records to Display.

|                          |                                   |                                       |        |
|--------------------------|-----------------------------------|---------------------------------------|--------|
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|                          | <input type="text" value="kato"/> | <input type="text" value="michiaki"/> |        |

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|   | L # | Hits  | Search Text  | DBs   | Time Stamp       |
|---|-----|-------|--|---|------------------|
| 1 | L1  | 33098 | (plasma corona (glow electric)adj discharg\$4) same (O2 "O.sub.2" "O.sub.3" O3 oxygen ozone oxidati\$3 oxidiz\$4 air) same (Ar argon air)  | USPA<br>T;<br>US-P<br>GPUB<br>;<br>EPO;<br>JPO;<br>DERW<br>ENT;<br>IBM<br>TDB | 2003/12/03 11:15 |
| 2 | L2  | 18223 | (plasma corona (glow electric)adj discharg\$4) with (O2 "O.sub.2" "O.sub.3" O3 oxygen ozone oxidati\$3 oxidiz\$4 air) with (Ar argon air)  | USPA<br>T;<br>US-P<br>GPUB<br>;<br>EPO;<br>JPO;<br>DERW<br>ENT;<br>IBM<br>TDB | 2003/12/03 11:18 |
| 3 | L3  | 8133  | 1 and (polyolefin olefin polyethylene polypropylene polyvinylchloride PVC polyvinylidenechlorid e polyvinylidene PVDC polyvinylfluoride PVF polyvinylidenefluorid e PVDF polytetrafluoroethyle ne PTFE tetrafluoroethylene teflon) | USPA<br>T;<br>US-P<br>GPUB<br>;<br>EPO;<br>JPO;<br>DERW<br>ENT;<br>IBM<br>TDB | 2003/12/03 11:25 |
| 4 | L4  | 4258  | 2 and (polyolefin olefin polyethylene polypropylene polyvinylchloride PVC polyvinylidenechlorid e polyvinylidene PVDC polyvinylfluoride PVF polyvinylidenefluorid e PVDF polytetrafluoroethyle ne PTFE tetrafluoroethylene teflon) | USPA<br>T;<br>US-P<br>GPUB<br>;<br>EPO;<br>JPO;<br>DERW<br>ENT;<br>IBM<br>TDB | 2003/12/03 11:25 |

SND9/784057

|   | L # | Hits | Search Text   | DBs   | Time Stamp           |
|---|-----|------|---|---|----------------------|
| 5 | L5  | 1692 | 1 same (polyolefin<br>olefin polyethylene<br>polypropylene<br>polyvinylchloride PVC<br>polyvinylidenechlorid<br>e polyvinylidene PVDC<br>polyvinylfluoride PVF<br>polyvinylidenefluorid<br>e PVDF<br>polytetrafluoroethyle<br>ne PTFE<br>tetrafluoroethylene<br>teflon) | USPA<br>T;<br>US-P<br>GPUB<br>;<br>EPO;<br>JPO;<br>DERW<br>ENT;<br>IBM<br>TDB | 2003/12/0<br>3 11:30 |
| 6 | L6  | 814  | 2 same (polyolefin<br>olefin polyethylene<br>polypropylene<br>polyvinylchloride PVC<br>polyvinylidenechlorid<br>e polyvinylidene PVDC<br>polyvinylfluoride PVF<br>polyvinylidenefluorid<br>e PVDF<br>polytetrafluoroethyle<br>ne PTFE<br>tetrafluoroethylene<br>teflon) | USPA<br>T;<br>US-P<br>GPUB<br>;<br>EPO;<br>JPO;<br>DERW<br>ENT;<br>IBM<br>TDB | 2003/12/0<br>3 11:28 |
| 7 | L7  | 92   | 6 same (OH hydroxyl<br>CO carbonyl)   | USPA<br>T;<br>US-P<br>GPUB<br>;<br>EPO;<br>JPO;<br>DERW<br>ENT;<br>IBM<br>TDB | 2003/12/0<br>3 11:29 |
| 8 | L8  | 80   | 5 same (OH hydroxyl<br>CO carbonyl) not 7   | USPA<br>T;<br>US-P<br>GPUB<br>;<br>EPO;<br>JPO;<br>DERW<br>ENT;<br>IBM<br>TDB | 2003/12/0<br>3 11:30 |

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|----|-----|------|--|---|----------------------|
| 9  | L9  | 2623 | (4 and (OH hydroxyl<br>CO carbonyl)) not (7<br>or 8)                                       | USPA<br>T;<br>US-P<br>GPUB<br>;<br>EPO;<br>JPO;<br>DERW<br>ENT;<br>IBM<br>TDB | 2003/12/0<br>3 11:33 |
| 10 | L10 | 2495 | (3 and (OH hydroxyl<br>CO carbonyl)) not (7<br>or 8 or 9)                                  | USPA<br>T;<br>US-P<br>GPUB<br>;<br>EPO;<br>JPO;<br>DERW<br>ENT;<br>IBM<br>TDB | 2003/12/0<br>3 11:33 |
| 11 | L11 | 39   | 7 and (membrane<br>filter porous pore<br>fibrous electrolyte<br>fuel adj cell)             | USPA<br>T;<br>US-P<br>GPUB<br>;<br>EPO;<br>JPO;<br>DERW<br>ENT;<br>IBM<br>TDB | 2003/12/0<br>3 11:36 |
| 12 | L12 | 43   | (8 and (membrane<br>filter porous pore<br>fibrous electrolyte<br>fuel adj cell)) not<br>11 | USPA<br>T;<br>US-P<br>GPUB<br>;<br>EPO;<br>JPO;<br>DERW<br>ENT;<br>IBM<br>TDB | 2003/12/0<br>3 11:36 |

|    | L # | Hits | Search Text   | DBs   | Time Stamp       |
|----|-----|------|---|---|------------------|
| 13 | L13 | 1478 | (9 and (membrane filter porous pore fibrous electrolyte fuel adj cell)) not (11 or 12)        | USPA<br>T;<br>US-P<br>GPUB<br>;<br>EPO;<br>JPO;<br>DERW<br>ENT;<br>IBM<br>TDB | 2003/12/03 11:36 |
| 14 | L14 | 1554 | (10 and (membrane filter porous pore fibrous electrolyte fuel adj cell)) not (11 or 12 or 13) | USPA<br>T;<br>US-P<br>GPUB<br>;<br>EPO;<br>JPO;<br>DERW<br>ENT;<br>IBM<br>TDB | 2003/12/03 11:38 |
| 15 | L15 | 7    | 11 and (graft adj polymer\$9)   | USPA<br>T;<br>US-P<br>GPUB<br>;<br>EPO;<br>JPO;<br>DERW<br>ENT;<br>IBM<br>TDB | 2003/12/03 11:40 |
| 16 | L16 | 1    | (12 and (graft adj polymer\$9)) not 15<br><br>4/13/03<br>PN. 5,202,025 Onishi et al           | USPA<br>T;<br>US-P<br>GPUB<br>;<br>EPO;<br>JPO;<br>DERW<br>ENT;<br>IBM<br>TDB | 2003/12/03 11:40 |

(B7) On other hand ... poly(eth) memb... treat w/ rad., low T plasma ... graph poly  
(B66) " " " ... memb. sub., prep. method... by pre-irrad. meth. for simultaneous irrad...  
... plasma initiated graph - poly

(B7180) In the meth... porous membrane, hydrophobic, treated w/ plasma ... At  $\rightarrow$  alkyl radical on  
known - contact w/ O  $\rightarrow$  convert to peroxide, at 400-500, clean + get R-COOH + RO<sup>1</sup>  
1 - OH

|    | L # | Hits | Search Text  | DBs   | Time Stamp           |
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| 17 | L17 | 122  | (13 and (graft adj<br>polymer\$9)) not (15<br>or 16)       | USPA<br>T;<br>US-P<br>GPUB<br>;<br>EPO;<br>JPO;<br>DERW<br>ENT;<br>IBM<br>TDB | 2003/12/0<br>3 11:41 |
| 18 | L18 | 53   | (14 and (graft adj<br>polymer\$9)) not (15<br>or 16 or 17) | USPA<br>T;<br>US-P<br>GPUB<br>;<br>EPO;<br>JPO;<br>DERW<br>ENT;<br>IBM<br>TDB | 2003/12/0<br>3 11:41 |
| 19 | L19 | 32   | 11 not 15  | USPA<br>T;<br>US-P<br>GPUB<br>;<br>EPO;<br>JPO;<br>DERW<br>ENT;<br>IBM<br>TDB | 2003/12/0<br>3 11:42 |
| 20 | L20 | 42   | 12 not 16  | USPA<br>T;<br>US-P<br>GPUB<br>;<br>EPO;<br>JPO;<br>DERW<br>ENT;<br>IBM<br>TDB | 2003/12/0<br>3 11:42 |

|    | L # | Hits | Search Text | DBs   | Time Stamp           |
|----|-----|------|-------------|---|----------------------|
| 21 | L21 | 1356 | 13 not 17   | USPA<br>T;<br>US-P<br>GPUB<br>;<br>EPO;<br>JPO;<br>DERW<br>ENT;<br>IBM<br>TDB | 2003/12/0<br>3 11:42 |
| 22 | L22 | 1501 | 14 not 18   | USPA<br>T;<br>US-P<br>GPUB<br>;<br>EPO;<br>JPO;<br>DERW<br>ENT;<br>IBM<br>TDB | 2003/12/0<br>3 11:43 |